

FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.:

SERIAL NO.:

IN01535KB

10/716,890

INFORMATION DISCLOSURE STATEMENT
BY APPLICANT

APPLICANT:

Zhaoning Zhu et al.

FILING DATE:

11/19/2003

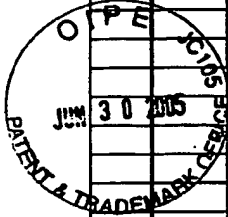
GROUP:

1626

(Use several sheets if necessary)

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*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE
3	AA	4267333	05/12/81	Tsao			
	AB	3740412	06/19/73	E. Ullman et al.			
	AC	3997223	12/14/76	H. Feldman et al.			
	AD	4166452	09/04/79	C. D.J. Generales, Jr.			
	AE	4256108	03/17/81	F. Theeuwes			
	AF	4265874	05/05/81	Bonsen, et al.			
	AG	4431661	02/14/84	McKenzie et al.			
	AH	4435419	03/06/84	Epstein et al.			
	AI	4544665	10/10/85	Epstein et al.			
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	AM	5120752	06/09/92	Brooks et al.			
	AN	5256657	10/26/93	Singh et al.			
	AO	5455258	10/03/95	MacPherson et al.			
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	AQ	5514716	05/07/96	Gowravaram et al.			
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	AS	5594106	01/14/97	Black et al.			
	AT	5618844	04/08/97	Gowravaram et al.			
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	AX	5703092	12/30/97	Xue et al.			
	AY	5712300	01/27/98	Jacobsen			
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	BB	5804581	09/08/98	Wolanin et al.			
	BC	5817822	10/06/98	Nantermet et al.			
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	BM	6057336	05/02/00	Duane et al.			
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	BO	6071903	06/06/00	Albright et al.			
	BP	6103739	08/15/00	Floyd et al.			
	BQ	6114361	09/05/00	Robinson et al.			
	BR	6153757	11/28/00	Zook et al.			
	BS	6172057	01/09/01	Venkatesan et al.			
	BT	6177077	01/23/01	Tobinick et al.			
	BU	6197791	03/06/01	Venkatesan et al.			
	BV	6200996	03/13/01	Levin et al.			
	BW	6225311	05/01/01	Levin et al.			
	BX	6277885	08/21/01	Levin et al.			
	BY	6294539	09/25/01	Lou et al.			
	BZ	6313123	11/06/01	Levin et al.			
	CA	6326516	12/04/01	Levin et al.			
	CB	6372747	04/16/02	Taveras et al.			
3	CC	US2001/0046989	11/29/01	Levin et al.			



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INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use several sheets if necessary)</i>				APPLICANT: Zhaoning Zhu et al.			
				FILING DATE: 11/19/2003		GROUP: 1626	
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES NO
ES	CD	AU534404 B	01/26/84	AUSTRALIA			
	CE	CA2166168 A1	06/29/96	CANADA	C07H	15/26	
	CF	CA2260337 A1	07/27/99	CANADA	C07C	311/46	
	CG	CA2281570 A1	09/17/98	CANADA	A61K	35/60	
	CH	DE19831980 A1	01/20/00	GERMANY	C07F	9/38	
	CI	EP00952148 A1	10/27/99	EUROPE	C07C	317/14	
	CJ	EP0097816 B1	05/18/88	EUROPE	B41J	5/28	
	CK	EP0887077A1	12/30/88	EUROPE	A61K	31/015	
	CL	EP1004578 A2	05/31/00	EUROPE	C07D	207/28	
	CM	EP1029851 A1	08/23/00	EUROPE	C07D	213/74	
	CN	EP1041072 A1	10/04/00	EUROPE	C07D	317/44	
	CO	EP1081137 A1	03/07/01	EUROPE	C07D	211/96	
	CP	EP498665 B1	04/24/96	EUROPE	C07C	259/06	
	CQ	EP574758 B1	09/09/98	EUROPE	C07D	209/48	
	CR	EP641323 A1	09/29/94	EUROPE	C07D	215/38	
	CS	EP667770 B1	03/19/97	EUROPE	A61K	31/16	
	CT	EP684240 B1	08/02/00	EUROPE	C07D	401/06	
	CU	EP757037 A2	02/05/97	EUROPE	C07C	311/42	
	CV	EP769947 B1	05/02/01	EUROPE	A61K	31/40	
	CW	EP780386 B1	10/02/02	EUROPE	C07D	309/08	
	CX	EP818442-A2	01/14/88	EUROPE	C07D	317/44	
	CY	EP818442-A3	12/30/88	EUROPE	C07C	317/44	
	CZ	EP863885 A2	05/22/97	EUROPE	C07D	413/12	
	DA	EP871439 A1	07/10/97	EUROPE	A61K	31/19	
	DB	EP877018 B1	05/02/03	EUROPE	C07C	311/19	
	DC	EP877019 B1	12/12/01	EUROPE	C07C	311/19	
	DD	EP895988 B1	05/22/02	EUROPE	C07C	311/19	
	DE	EP922702 A1	06/16/99	EUROPE	C07D	295/185	
	DF	FR2780402 A1	12/31/99	FRANCE	C07D	233/12	
	DG	FR2788525 A1	07/21/00	FRANCE	C07K	5/08	
	DH	GB2200628 A	08/10/88	UNITED KINGDOM	C07D	303/02	
	DI	GB2268934 A	01/26/94	UNITED KINGDOM	C07C	259/06	
	DJ	GB2333524 A	07/28/99	UNITED KINGDOM	C07D	213/75	
	DK	JP95002797	01/06/95	JAPAN	C07D	237/04	
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	DM	JP98204054	08/04/98	JAPAN	C07C	311/29	
	DN	JP98204059	08/04/98	JAPAN	C07D	209/10	
	DO	WO00/06560 A1	02/10/00	PCT	C07D	307/91	
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	DQ	WO00/09485 A1	02/24/00	PCT	C07D	211/96	
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	DW	WO00/15603 A1	03/23/00	PCT	C07C	233/60	
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	DY	WO00/24720 A1	05/04/00	PCT	C07D	249/08	
	DZ	WO00/32570 A1	06/08/00	PCT	C07C	311/49	
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FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION	
							YES	NO
B	EB	WO00/37433 A1	06/22/00	PCT	C07C	259/10		
	EC	WO00/40564 A1	07/13/00	PCT	C07D	223/16		
	ED	WO00/40576 A2	07/13/00	PCT	C07D	355/02		
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	EF	WO00/42436 A1	07/20/00	PCT	G01N	33/68		
	EG	WO00/44709 A2	08/03/00	PCT	C07C	311/00		
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	EI	WO00/44713 A1	08/03/00	PCT	C07C	317/44		
	EJ	WO00/44716 A1	08/03/00	PCT	C07C	323/49		
	EK	WO00/44723 A1	08/03/00	PCT	C07D	211/66		
	EL	WO00/44730 A1	08/03/00	PCT	C07D	243/14		
	EM	WO00/44740 A2	08/03/00	PCT	C07D	333/00		
	EN	WO00/44749 A1	08/03/00	PCT	C07D	471/04		
	EO	WO00/46189 A1	08/10/00	PCT	C07C	311/15		
	EP	WO00/46221 A1	08/10/00	PCT	C07D	415/12		
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	ET	WO00/58304 A1	10/05/00	PCT	C07D	401/12		
	EU	WO00/59874 A1	10/12/02	PCT	C07C	259/06		
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	FE	WO01/70673 A2	09/27/01	PCT	C07C	237/00		
	FF	WO01/70734 A2	09/27/01	PCT	C07D	401/12		
	FG	WO01/87870 A1	11/22/01	PCT	C07D	307/52		
	FH	WO02/04416 A2	01/17/02	PCT	C07D	207/00		
	FI	WO02/18326 A1	03/07/02	PCT	C07C	259/06		
	FJ	WO02/96426 A1	12/05/02	PCT	A61K	31/4709		
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	FN	WO93/07111 A1	04/15/93	PCT	C07C	49/753		
	FO	WO93/20047 A1	10/14/93	PCT	C07C	317/44		
	FP	WO94/00555 A2	01/06/94	PCT	C12N			
	FQ	WO94/21612 A1	09/29/94	PCT	C07D	215/38		
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	FT	WO95/06031 A1	03/02/95	PCT	C07C	317/44		
	FU	WO95/09841 A1	04/13/95	PCT	C07C	323/60		
	FV	WO95/19956 A1	07/27/95	PCT	C07C	259/06		
B	FW	WO95/19957 A1	07/27/95	PCT	C07C	259/06		

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FOREIGN PATENT DOCUMENTS								
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION	
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13	FX	WO95/19961 A1	07/27/95	PCT	C07C	323/41		
	FY	WO95/24501 A1	09/14/95	PCT	C12Q	1/37		
	FZ	WO95/29892 A1	11/09/95	PCT	C07D	207/327		
	GA	WO96/33166 A1	10/24/96	PCT	C07C	259/06		
	GB	WO96/33176 A1	10/24/96	PCT	C07D	235/16		
	GC	WO96/40204 A1	12/19/96	PCT	A61K	38/05		
	GD	WO97/03105 A1	01/30/97	PCT	C08G	65/22		
	GE	WO97/09066 A1	03/13/97	PCT	A61K	45/00		
	GF	WO97/112902 A1	04/10/97	PCT	C07K	5/03		
	GG	WO97/18188 A1	05/22/97	PCT	C07C	259/06		
	GH	WO97/18207 A2	05/22/97	PCT	C07D	413/12		
	GI	WO97/19053 A1	05/29/97	PCT	C07C	237/22		
	GJ	WO97/20824 A1	06/12/97	PCT	C07D	241/04		
	GK	WO97/22587 A1	06/26/97	PCT	C07D	213/42		
	GL	WO97/24117 A1	07/10/97	PCT	A61K	31/19		
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	GN	WO97/40031 A1	10/30/97	PCT	C07D	285/125		
	GO	WO97/42168 A1	11/13/97	PCT	C07C	323/22		
	GP	WO98/02557 A2	01/22/98	PCT	C12N	15/57		
	GQ	WO98/03164 A1	01/29/98	PCT	A61K	31/165		
	GR	WO98/03516 A1	01/29/98	PCT	C07F	9/30		
	GS	WO98/07697 A1	02/26/98	PCT	C07D	211/58		
	GT	WO98/08822 A1	03/05/98	PCT	C07D	239/04		
	GU	WO98/08823 A1	03/05/98	PCT	C07D	239/06		
	GV	WO98/08825 A1	03/05/98	PCT	C07D	241/04		
	GW	WO98/08827 A1	03/05/97	PCT	C07D	243/08		
	GX	WO98/09957 A1	03/12/98	PCT	C07D	307/91		
	GY	WO98/09961 A1	03/12/98	PCT	C07D	410/12		
	GZ	WO98/12211 A1	03/26/98	PCT	C07K	5/078		
	HA	WO98/13340 A1	04/02/98	PCT	C07C	317/44		
	HB	WO98/15525 A1	04/16/98	PCT	C07C	259/06		
	HC	WO98/16503 A2	04/23/98	PCT	C07C	311/00		
	HD	WO98/16506 A1	04/23/98	PCT	C07C	311/20		
	HE	WO98/16514 A1	04/23/98	PCT	C07D	215/54		
	HF	WO98/16520 A1	04/23/98	PCT	C07D	333/38		
	HG	WO98/17643 A1	04/30/98	PCT	C07D	207/327		
	HH	WO98/17655 A1	04/30/98	PCT	C07D	295/18		
	HI	WO98/22436 A1	05/28/98	PCT	C07D	323/56		
	HJ	WO98/23588 A1	06/04/98	PCT	C07D	209/48		
	HK	WO98/24759 A1	06/11/98	PCT	C07C	259/06		
	HL	WO98/27069 A1	06/25/98	PCT	C07D	241/04		
	HM	WO98/30541 A1	07/16/98	PCT	C07D	209/18		
	HN	WO98/30551 A1	07/16/98	PCT	C07D	267/00		
	HO	WO98/30566 A1	07/16/98	PCT	C07D	493/08		
	HP	WO98/32748 A1	07/30/98	PCT	C07D	295/22		
	HQ	WO98/33788 A1	08/06/98	PCT	C07D	309/12		
	HR	WO98/37877 A1	09/03/98	PCT	A61K	3/16		
15	HS	WO98/38163 A1	09/03/98	PCT	C07D	323/60		

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							YES	NO
85	HT	WO98/38167 A1	09/03/98	PCT	C07D	215/54		
	HU	WO98/38179 A1	09/03/98	PCT	C07D	277/46		
	HV	WO98/42662 A1	10/01/98	PCT	C07C	327/32		
	HW	WO98/43959 A1	10/08/98	PCT	C07D	215/22		
	HX	WO98/43963 A1	10/08/98	PCT	G01N	233/54		
	HY	WO98/45699 A1	10/15/98	PCT	C07C	30/56		
	HZ	WO98/46563 A1	10/22/98	PCT	C07C	323/41		
	IA	WO98/50348 A1	11/12/98	PCT	C07C	311/29		
	IB	WO98/52910 A1	11/26/98	PCT	C07D	233/22		
	IC	WO99/02510 A1	01/21/99	PCT	C07D	295/18		
	ID	WO99/06410 A1	02/11/99	PCT	C07D	495/04		
	IE	WO99/18074 A1	04/15/99	PCT	C07D	495/04		
	IF	WO99/18076 A1	04/15/99	PCT	C07D	207/27		
	IG	WO99/18079 A1	04/15/99	PCT	C07D	215/54		
	IH	WO99/19296 A1	04/22/99	PCT	C07C	231/12		
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	IJ	WO99/24408 A1	05/20/99	PCT	C07D	311/04		
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	IN	WO99/32451 A1	07/01/99	PCT	C07D	37/014		
	IO	WO99/32452 A1	07/01/99	PCT	C07D	233/12		
	IP	WO99/37625 A1	07/29/99	PCT	C07D	243/14		
	IQ	WO99/32463 A1	07/01/99	PCT	C07D	273/00		
	IR	WO99/37635 A2	06/29/00	PCT	C12N	15/11		
IS	WO99/38843 A1	08/05/99	PCT	C07C	317/44			
IT	WO99/400800 A1	08/12/99	PCT	C07D	309/08			
IU	WO99/42436 A1	08/26/99	PCT	C07C	239/14			
IV	WO99/42443 A1	08/26/99	PCT	C07D	209/48			
IW	WO99/52910 A1	10/11/99	PCT	C07D	493/08			
IX	WO99/58528 A1	11/18/99	PCT	C07D	405/12			
IY	WO99/58531 A1	11/18/99	PCT	C07D	417/12			
IZ	WO99/61413 A1	12/02/99	PCT	C07C	259/06			
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)					
ES	JB	M. H. Rabinowitz et al., "Design of Selective and Soluble Inhibitors of Tumor Necrosis Factor- α Converting Enzyme (TACE)", J Med Chem, 44:4252-67 (2001)			
	JC	J. W. Skiles et al., "The Design, Structure, and Therapeutic Application of Matrix Metalloproteinase Inhibitors" Current Medicinal Chem. 8:425-474 (2001)			
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	JI	M. Moss et al., "TACE and other ADAM Proteases as Targets for Drug Discovery", Drug Discovery Today 6(8):417-26 (2001)			
	JJ	Feldman et al, Lancet (1994) 344,1105			
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